BRUHATH BANGALORE MAHANAGARA PALIKE

YALAHANKA ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work:- Supplying and installation of street light panel boards in Yelahanka zone

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Name of work: :-Supplying and installation of street light panel boards in Yelahanka zone

Name of Contractror of nature of Agency:- M/s S.S.G Electricals

Job Code No:- **007-20-000055**

Ref no and Date of commencement of work:-EE/Ele/YZ/WO/000021/20-21 Date:19/06/2020

Measurement Book No: 2568/19-20 **Page No:** 2569 to 2595

Bill NO :-

Sl. No.	Description of item		Unit	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM KPWD ELE SR 2014-15		Per Mtr	147	130.00	19110.00
2	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR		Per Mtr	147	9.00	1323.00
	BEL road TO Gnagamma circle road					
1	VA/11/TC/96/BEL/MR/06/S TOPanal Board	35 Mtrs				
2	VA/11/TC/96/BEL/MR/06/S TOVA/11/TC/96/BEL/MR/07/S	80 Mtrs				
3	VA/11/TC/96/BEL/MR/07/S TOVA/11/TC/96/BEL/MR/08/S	32 Mtrs				
	Total 147 Mtrs					
3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.26/5.14.1		Each	6	3800.00	22800.00
4	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm40/6.4.4		Mtrs	198	90.00	17820.00
5	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm		Mtrs	198	25.00	4950.00
	Allalasandra railway bridge					
1	SLVES/04/BVR/TC28/27/2/S TOSLVES/04/BVR/TC28/28/2/S	38 Mtrs				
2	SLVES/04/BVR/TC28/28/2/S TOSLVES/04/BVR/TC28/29/2/S	38 Mtrs				
3	SLVES/04/BVR/TC28/29/2/S TOSLVES/04/BVR/TC28/30/2/S	38 Mtrs				
4	SLVES/04/BVR/TC28/30/2/S TOSLVES/04/BVR/TC28/31/2/S	38 Mtrs				
5	SLVES/04/BVR/TC28/31/2/S TOSLVES/04/BVR/TC28/32/2/S	38 Mtrs				
	Total 200 Mtrs					
6	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.41/6.6.1		Mtrs	140	60.00	8400.00

Assistant Executive Engineer (Ele)
BBMP, Bangalore

7	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG KPWD ELE SR Page-30/5.42.2		sq.cms	179650	0.35	62877.50
8	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm 6/2.3.3		Mtrs	175	50.00	8750.00
9	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.					
1	Near Canara bank L/o Vidyaranyapura High Mast		No	6	45000.00	270000.00
2	Near Harihara Medicalas, Thindlu circle high mast					
3	Near Krishna vegitables Post office road Thindlu high mast					
4	Kuvempu Park A sector Yelahanka New Town					
5	Someshwara Nagara high mast Yelahanka New Town					
6	Judicial L/o under pass high mast					
	Total Rs					**416030.50**
	Add GST Item No 3 to 8 Rs 125597.00 @ 12%					15071.64
	Total Rs					**431102.14**

15/12/20

CERTIFICATE:

1.This is certify that the work done is saticefactorily.
2.This is certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Yalahanka Division

Executive Engineer
Electrical Division
Yelahanka Zone BBMP
Byatarayanapura, Bangalore-92